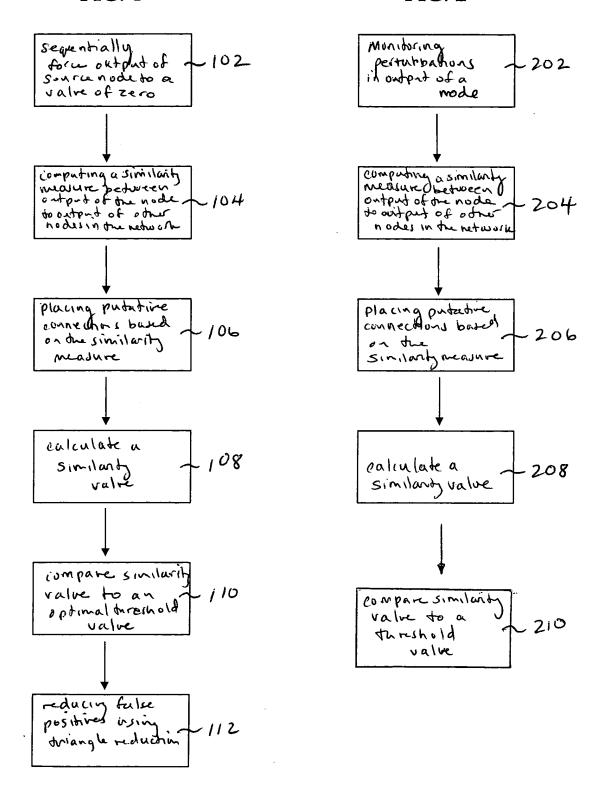
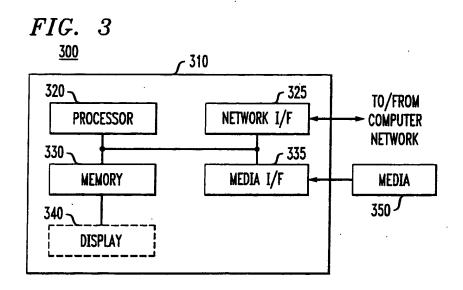
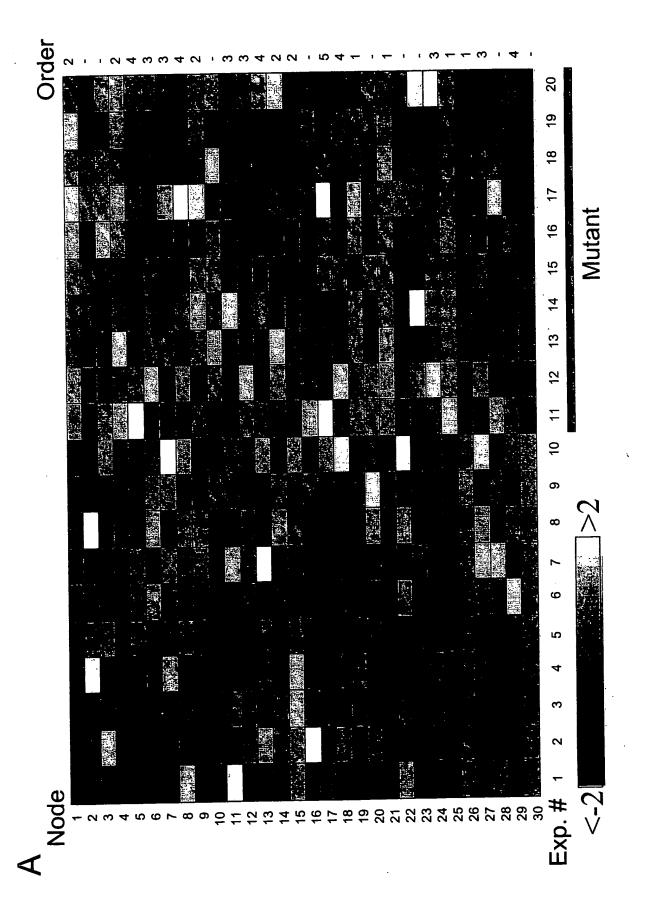
FIG. 1

FIG. 2

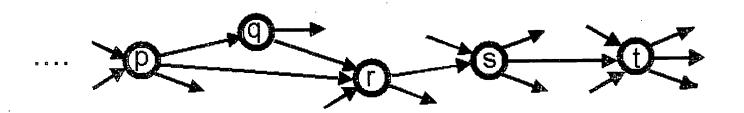


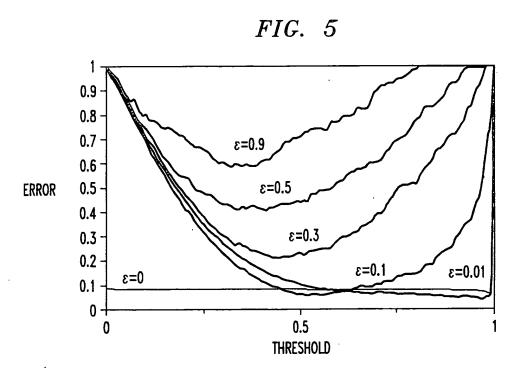


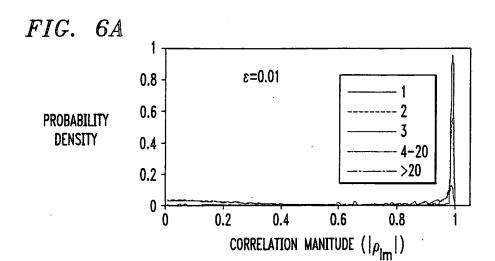


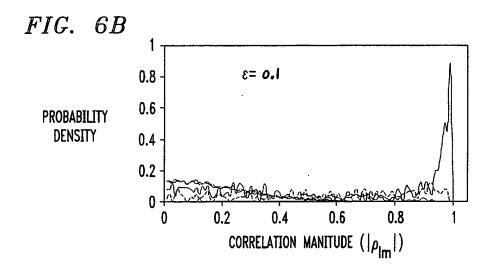
F1G. 4A

FIG. 4B









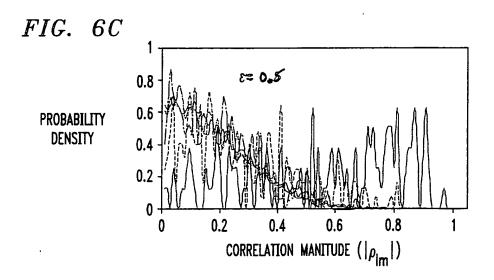


FIG. 7A

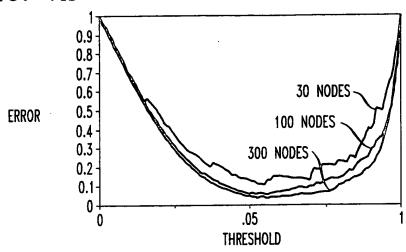


FIG. 7B

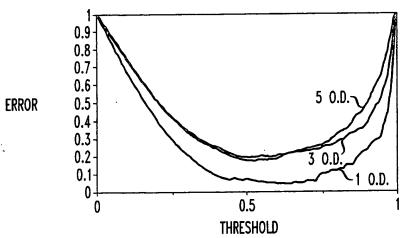
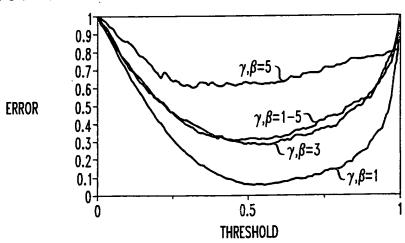
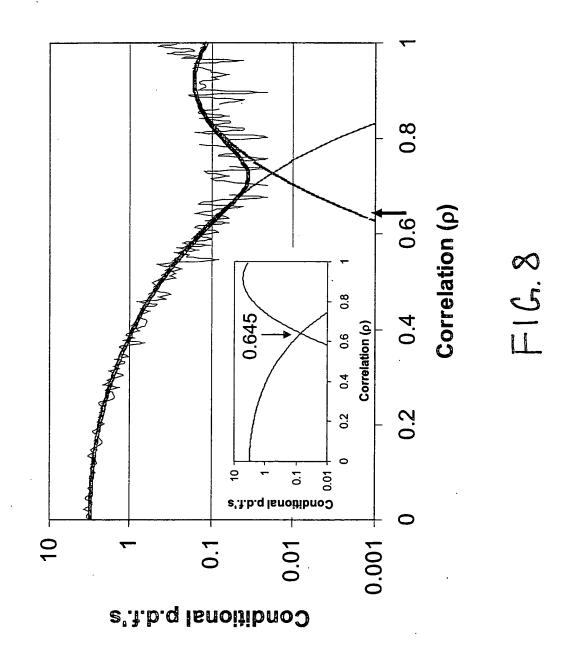
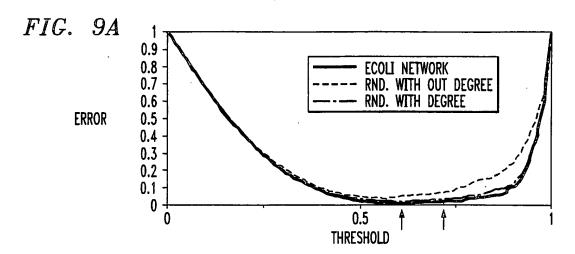


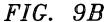
FIG. 7C





7/12 YOR920030512USI





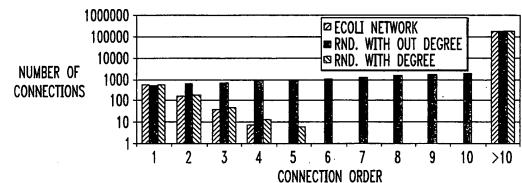
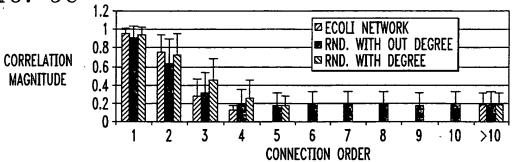


FIG. 9C



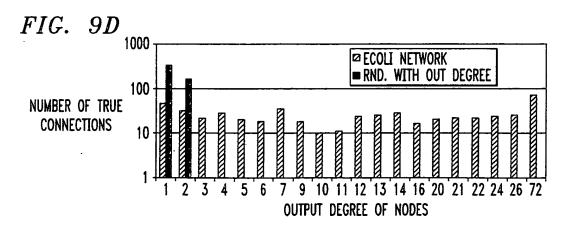


FIG. 10A

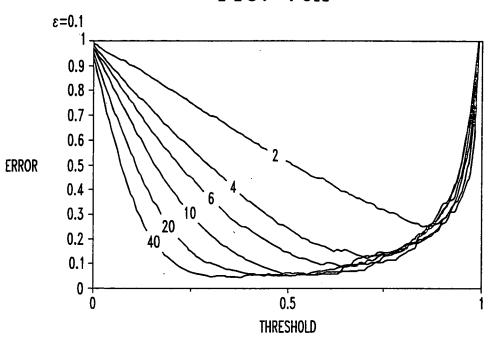


FIG. 10B

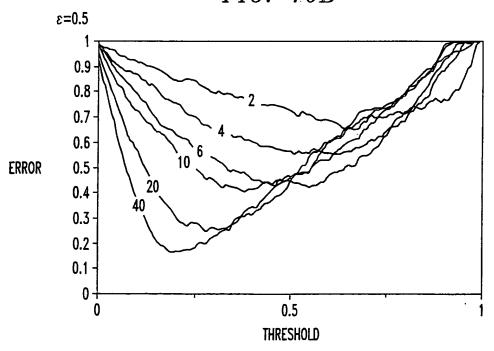
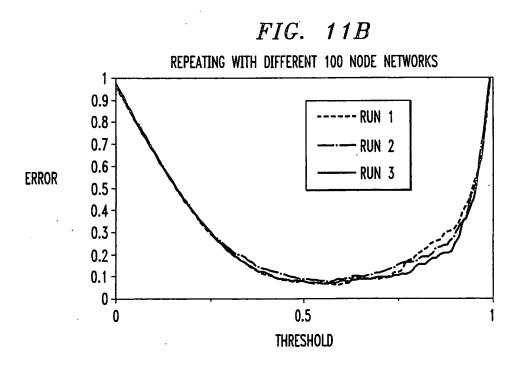


FIG. 11A REPEATING WITH SAME 100 NODE NETWORK 0.9 ---- RUN 1 8.0 - RUN 2 0.7 -RUN 3 0.6 **ERROR** 0.5 0.4 0.3 0.2-0.1 -0 -0.5 0 THRESHOLD



GAS STATION 6 GAS STATION H GAS STATION F EXAMPLE SUPPLY CHAIN FOR PETROLEUM FIG. 12 **Distrib**utor E DISTRIBUTOR D REFINERY C REFINERY (D REFINERY A

